SPRING TERM 1987 CATALOG SUPPLEMENT

Courses in parentheses will not be offered. Courses preceded by an asterisk (*) are Foundations Courses.

CONCENTRATIONS

The following is a concentration which was omitted from the 1986-87 Catalog:

CN 022 WOMEN'S STUDIES
Any four courses; must include courses from both groups.

GROUP #1:
(*SA 191 AN INTRODUCTION TO WOMEN IN SOCIAL THOUGHT)
SA 304 WOMEN, CULTURE AND SOCIETY
(SA 390 SOCIOLOGY OF WOMEN)
GG 414 SEMINAR IN URBAN GEOGRAPHY: WOMEN AND THE CITY

GROUP #2:
(AL 260 FICTION BY AMERICAN WOMEN)
*FR 120 TWENTIETH CENTURY FRENCH WOMEN WRITERS
FR 312 WOMEN AND THE NOVEL OF THE ANCIENT REGIME
MU 360 WOMEN IN MUSIC
(SI 450 WOMEN IN HISPANIC LITERATURE)

CN 072 THE RISE OF EUROPE
This concentration now requires five courses. Add the following:
5. HI 403 READINGS IN MODERN EUROPEAN HISTORY

INTERDEPARTMENTAL

ID 101 INTENSIVE WRITING WORKSHOP New Course

This course is designed for freshmen who would like to develop their writing skills and for students, especially those for whom English is a second language, who would like to improve their prose styles. Class discussions will focus on the analysis of varied literary works in order to help students develop analytical skills. Numerous papers and revisions are required. Students also will be instructed in the organization of material for research papers. This course does not fulfill the freshman writing requirement. Mrs. Pack

FRESHMAN WRITING PROGRAM

Freshman Writing Courses for spring term 1987 will be:

AL 103D	THE AMERICAN SHORT STORY
BI 111	WRITING ON NATURE
EL 101	NARRATIVE FICTION
EL 103	LYRIC AND NARRATIVE POETRY
EL 105	DRAMA
EL 107A	JOURNAL & ESSAY
EL 107B	JOURNAL & ESSAY

EL 160	THE STRUCTURE OF NONFICTION
EL 175	THE STRUCTURE OF POETRY
GL 112	ENVIRONMENTAL GEOLOGY
*HI 104 (U)	MODERN REVOLUTIONS
*HI 104 (V)	MODERN REVOLUTIONS
HI 204Z	AMERICAN HISTORY: 1861-PRESENT
HI 204Y	AMERICAN HISTORY: 1861-PRESENT
*MU 101	INTRODUCTION TO MUSICAL STYLES
*PA 150B	INTRODUCTION TO PHILOSOPHY
*PH 101 (Y)	THE NATURE OF THINGS: PHYSICAL REALITY AND HUMAN THOUGHT
*PH 101 (Z)	THE NATURE OF THINGS: PHYSICAL REALITY AND HUMAN THOUGHT
PY 204 (X)	PERSONALITY PSYCHOLOGY
*RU 152B	RUSSIAN MODERNISM
*RU 152C	RUSSIAN MODERNISM

AMERICAN LITERATURE AND CIVILIZATION

AMERICAN LITERATURE

AL 103D THE AMERICAN SHORT STORY — New Description

A study of the development of the American short story from Poe and Hawthorne to the present. The course will end with more extensive consideration of the stories of J.D. Salinger and Ann Beattie. The emphasis of discussion will be upon questions of fictional technique rather than theme.

Mr. McWilliams

AL 307 TOPICS IN TWENTIETH CENTURY AMERICAN POETRY — New Description

This course will examine four Modernist poets and four of their post-modern and contemporary inheritors, with special attention to issues of influence and the poet's changing public voice. Poets discussed will include William Carlos Williams, Marianne Moore, Wallace Stevens, Robert Frost, Denise Levertov, John Ashbery, Elizabeth Bishop and A.R. Ammons.

Ms. Millier

AMERICAN CIVILIZATION

AC 220 AMERICAN CULTURE, 1919-1929 — Addition to Description

Among the books we shall read are E.E. Cummings, The Enormous Room, T.S. Eliot, The Waste Land, Ernest Hemingway, In Our Time, Sinclair Lewis, Main Street, John Dos Passos, The Big Money, Anita Loos, Gentlemen Prefer Blondes, H.L. Mencken, Prejudices, Margaret Mead, Coming of Age in Samoa, Robert and Helen Lynd, Middletown, William E. Leuchtenburg, The Perils of Prosperity and F. Scott Fitzgerald, This Side of Paradise.

Mr. Gilkeson

ART

AR 218 THE HISTORY OF PHOTOGRAPHY — Will Be Offered

A broad survey of technical, aesthetic, and social developments in the history of photography from its beginnings to the present day. Study will focus on the styles and careers of significant and representative artists - for example, Julia Margaret Cameron, Eadweard Muybridge, Lewis Hine, Alexander Rodchenko, and Robert Frank - and will investigate their effect upon other photographers, as well as upon particular issues in social history. Interrelationships between photography and the other visual arts will also be explored. Ms. Donadio

AR 332 ADVANCED DRAWING New Title and Description

This course will explore advanced directions in drawing. New approaches to the problems of subject, material, and location will be explored. The objective of this course is for students to develop a unique and personal vocabulary through the medium of drawing. Some of the avenues explored will be landscape drawing, drawing from invention and evolving an abstract imagery. Traditional materials such as wash, ink, pen, pencil will be used, as will non-traditional materials such as collage, magic marker, and rubbings; found objects will be introduced, as will a variety of papers and surfaces. (AR 209 and 210.) Ms. Laughlin

BIOLOGY

BI 207 HUMAN PARASITOLOGY New Course

An introduction to the biology of parasites which infect humans. Major topics include the ecology, physiology, life cycles, molecular biology, and epidemiology of protozoa, roundworms, flukes, tapeworms, and arthropods. The host immune response to the various types of parasitic invasion will be compared and contrasted. Current efforts to produce effective vaccines against parasites, notably the agents causing malaria and African sleeping sickness will also be summarized. Laboratory will include macroscopic and microscopic examination of prepared materials, the processing and examination of clinical specimens, and a live animal study. (BI 125 or permission.) Mr. Cluss

CHEMISTRY AND BIOCHEMISTRY

The title and program description for this department have changed.

Professors: Robert W. Gleason, E. L. Pool; Assistant Professors: Jeffrey Byers, James Larrabee, Maggie O'Brien, Stephen F. Sontum (chairman).

The programs required of all chemistry majors provide a firm foundation in the fundamental principles of the discipline. Each student builds on this foundation by choosing those elective courses that best meet individual special interests and career objectives, which might include secondary school education, a position in industry, or study for an advanced degree in graduate or professional school. Although non-majors may take any laboratory course without the laboratory, courses constituting a part of a major in chemistry must be taken with the laboratory. The Department of Chemistry is accredited by the American Chemical Society and students taking the appropriate electives may be certified by the Society.

Required core courses for all majors; CH 103, CH 104, CH 241, CH 242, CH 352, CH 311, MA 113, PH 109, PH 110.

For a major in Chemistry, a student must also complete the core courses, CH 351, CH 312, CH 431 and three electives in the Department.

For a major in Biochemistry, a student must complete the core courses, CH 222, CH 313, CH 425, and three electives which may be selected from the Departments of Biology and Chemistry.

For a joint major in Biology and Chemistry, a student must complete the core courses, BI 125, BI 250, three electives from the Department of Biology, and three electives that may be taken in the Departments of Biology, Chemistry, Mathematics or Physics.

Students with a professional interest in chemistry are encouraged to elect CH 341, CH 452, two course credits of thesis research, MA 201, MA 202 and GN 101 and GN 102 or RU 101 and RU 102.

Although students may take several units of independent study, only two may be counted toward filling the elective requirements for any major in the Department.

Premedical, predental, preveterinary requirements: See p. 99 of the catalog for specific requirements.

Noted below are changes in courses and new courses for spring term. Other spring term course offerings in the Department remain as listed in the catalog.

CH 172 ENVIRONMENTAL CHEMISTRY: THE CHEMISTRY AROUND US — New Course/Spring

A course designed for non-science majors that will introduce basic principles of chemistry needed to address significant questions of environmental quality. Specifically considered will be the carbon, oxygen and nitrogen cycles, acid deposition (acid rain) and the methods of analysis for pollutants. Within this framework global questions of environmental legislation, pollution, health hazards, and energy production will be considered. 2 hrs. lect., 1 hr. disc. Mr. Pool

CH 230 BIOINORGANIC CHEMISTRY — New Course/Spring

This course will focus on the study of the role of transition metal ions in biological systems. Basic concepts of bonding for transition metals will be explored and methods of characterization of coordination complexes will be discussed. This will be followed by an in-depth examination of specific biological systems, including oxygen-carrying molecules (hemoglobin, myoglobin, hemerythrin, hemocyanin); coenzymes such as vitamin B-12, nitrogenase, cytochrome P-450, cytochrome oxidase and the electron-transport cytochromes b and c. The role of transition metal ions in cancer chemotherapy will also be studied. Emphasis will be placed on the study of simple model systems that have been synthesized to facilitate understanding of complex biological systems. (CH 104.) 3 hrs. lect. Mr. Larrabee

CH 311 ADVANCED CHEMISTRY LABORATORY I — New Course/Fall and Spring

An introduction to modern experimental chemistry with an emphasis on inorganic preparations and the theory, practice and application of instrumental methods of chemical analysis. Lecture topics will include evaluation of data, experimental design, and the theory and operation of chemical instrumentation. Laboratory exercises will involve chromatographic, thermodynamic and spectroscopic measurements of structural properties of molecules. (CH 351 or concurrently.) 1 hr. lect., 6 hrs. lab. Mr. Pool

CH 352 PHYSICAL CHEMISTRY II
There is no longer a lab offered as part of this course.

CH 422 BIOCHEMISTRY
There is no longer a lab offered as part of this course.

CH 431 ADVANCED ORGANIC CHEMISTRY
There is no longer a lab offered as part of this course.

CH 701 RESEARCH IN INORGANIC CHEMISTRY New Course/Fall, Winter, Spring
Mr. Larrabee

CH 702 RESEARCH IN ORGANIC CHEMISTRY New Course/Fall, Winter, Spring
Mr. Byers, Mr. Gleason

CH 703 RESEARCH IN ANALYTICAL CHEMISTRY New Course/Fall, Winter, Spring
Mr. Pool

CH 704 RESEARCH IN PHYSICAL CHEMISTRY New Course/Fall, Winter, Spring
Mr. Sontum

CH 705 RESEARCH IN BIOCHEMISTRY New Course/Fall, Winter, Spring
Ms. O'Brien

ECONOMICS

Please note that in the introduction on page 150 (International Major:) there should be asterisks after MA 112*, EC 150*, EC 155*, EC 210*, EC 211*, EC 350*, EC 355* and EC 400*. These asterisked courses must be taken at Middlebury.

EC 340 INTERNATIONAL ECONOMICS: A POLICY APPROACH Mr. S. Smith

EC 385 LABOR ECONOMICS Change in Course Number and Prerequisites
This course number has been changed to EC 480. The new prerequisite is (EC 355.)

EC 405 PSYCHOLOGICAL FOUNDATIONS OF ECONOMIC BEHAVIOR Will Be Offered
(Offered in spring as well as in fall.) Mr. Albanese

EC 445 INTERNATIONAL FINANCE Mr. Claudon

EC 455 INDUSTRIAL STRATEGIES
Please change prerequisites to (EC 211 and EC 355 or permission.)

EC 475 MONETARY THEORY AND FINANCIAL INSTITUTIONS Mr. Heaps

ENGLISH

EL 101 NARRATIVE FICTION Mr. Myers

EL 103 LYRIC AND NARRATIVE POETRY Mr. Lea

EL 107 JOURNAL AND ESSAY Ms. Skubikowski

EL 160 THE STRUCTURE OF NONFICTION Mr. Hill

EL 201 CHAUCER, SHAKESPEARE, MILTON Mr. Baldridge, Ms. Henderson, Mr. Myers

EL 202 MAJOR POETS, EIGHTEENTH-TWENTIETH CENTURIES Mr. Pack

EL 207 NINETEENTH CENTURY ENGLISH NOVEL (III) Mr. Baldridge

EL 208 TWENTIETH CENTURY ENGLISH NOVEL (IV) Mr. Parini

EL 224 MEDIEVAL AND RENAISSANCE DRAMA (I) Ms. Henderson

(EL 304 ENGLISH LITERATURE OF THE SEVENTEENTH CENTURY (II))

EL 405 SEMINAR: MODERN NARRATIVE AND NARRATIVE THEORY New Course

We will read a selection of novels from the modern period, and with each novel we will read one or two essays on the theory of narrative. Works studied will include novels by James, Conrad, Woolf, Joyce, Rhys, Gordimer, and Kundera. Theoretical readings will include essays by James, Freud, Woolf, de Man, Brooks, Jameson, Todorov, Iser, Said, Kristeva, Gilbert, and Spivak. In each discussion, we will begin with a given theoretical essay, and then evaluate its relation to the novel at hand. Through this approach, we will be raising questions such as: what do we mean by "modern" narrative? what constitutes a "narrative" in the modern period? how "reliable" is the modern narrator? is social context important to reading the novel? if so, how? is there a difference between novels written by men and those written by women? and -- what is the responsibility of the reader in relation to such narratives?

Ms. Jackson

EL 406 SEMINAR: THE ROMANTIC NOVEL New Course

A study of modes of English fiction, 1764-1847. The seminar will concern itself with close readings of a number of interesting and important novels produced in the transitional period between the 18th and 19th centuries, before the novel entered into its second major phase in the reign of Victoria. Particular attention will be paid to issues of genre (Gothicism, Orientalism), biography (Lewis, Beckford, Shelley), and narrative structure. Among the novels to be considered are Horace Walpole's The Castle of Otranto, William Godwin's Caleb Williams, Mary Shelley's Frankenstein, James Hogg's The Private Memoirs and Confessions of a Justified Sinner, and Emily Bronte's Wuthering Heights. (EL 206 or permission.) Mrs. Napier

GEOGRAPHY

GG 422 SEMINAR IN SOVIET GEOGRAPHY Will Be Offered Mr. Liebowitz

GEOLOGY

GL 204 MARINE RESOURCES AND MANAGEMENT OF THE COASTAL ZONE New Course

An interdisciplinary introduction to the wide range of policy issues surrounding human use of the coastal zone. Discussions will focus on a spectrum of topics including the physical, geological, and

ecological processes characteristic of shoreland areas, the variety of human activities placing demands on the coastal resource base, the incidence and magnitude of adverse effects on ecological and amenity values, the history and institutional setting of coastal decision making, recent legislative and critical policy issues. (No prerequisites.) 3 hour lecture/discussion. Ms. Gingerich

GL 342 MARINE GEOLOGY Ms. Gingerich

(GL 382 GEOPHYSICS)

GL 401 STRATIGRAPHY AND TECTONICS Will Be Offered
Ms. Harding

GERMAN

GN 307 THE GERMAN NOVELLE III Will Be Offered
This course will investigate and analyze narrative German prose as it develops through the late 18th and 19th and early 20th centuries. It will also function as a survey course examining several literary periods in the light of the works that they produced. In addition to Novellen, Romananfange (the beginning chapters of novels) will be studied, allowing the student meaningful access to highly significant works which the undergraduate would rarely ever read in German in their entirety (e.g. Goethe's Wilhelm Meister, Thomas Mann's Der Zauberberg, Kafka's Der Prozess.) (Readings have no overlap with GN 305 or GN 306.)
Mr. Vail

GN 341 MODERN GERMAN DRAMA New Description
The resurgence of German drama after World War II will be the center of discussion. Plays to be analyzed include works by Bertolt Brecht, Carl Zuckmayer, Max Frisch, Friedrich Durrenmatt and Peter Weiss. As some of the developments involving mainly stage productions are linked to the rise of the visual media ("Neue Welle" - films, TV productions), attention will also be given to these other media.
Mr. Huber

MUSIC

MU 250 INTRODUCTION OF MUSIC THROUGH ELECTROACOUSTICS Will Be Offered/New Description
The underlying assumption of this introductory course is that music and technology can illuminate each other. In weekly studio, homework, and listening assignments, students will be asked to analyze and manipulate sound on the Synclavier Computer Music System, applying their acoustical discoveries to understanding musical works and to the composition of original electronic music. No computer or musical experience is assumed. MU 250 is prerequisite to MU 350, Electroacoustic Music Composition. Mr. Todd

MU 331 TOPICS IN OPERA New Title and Description
This course will examine the interaction of music, text, and the stage through the close study of selected operatic masterworks. Specific topics, which will vary from semester to semester, may include: the operas of a particular composer, period, nation, or school; the processes through which a literary or dramatic work is transformed into opera;

the significance of opera in society; operatic conventions and the meaning of operatic reform; changing concepts of musical expression. Whenever possible, classroom work will be supplemented by tapes, films, and live performances. Works to be studied Spring, 1987, as examples of "Opera as Drama," will include The Marriage of Figaro, Don Giovanni Otello, Madame Butterfly, and Wozzeck. Mr. Vitercik

PHYSICS

PH 109 MECHANICS Mr. Dunham

PH 330 ANALYTICAL MECHANICS Will Be Offered Mr. Gould

(PH 401 INTRODUCTION TO QUANTUM MECHANICS)

POLITICAL SCIENCE

PS 304 INTERNATIONAL POLITICAL ECONOMY New Description

International political economy concerns the politics and management of the international economy. We will begin by examining various theories of the interaction between politics and economics, and then consider the institutions governing the international economy (such as IMF, the World Bank, and GATT), and several issues in international economic policy (such as debt, trade, oil, multinational corporations, and food). Mr. Rueter

PS 318 MODERN POLITICAL PHILOSOPHY New Title and Description

The major theme of this course is the individual and the community in modern political philosophy. In explicit contrast to the classical political science of Aristotle, which argues that man is by nature political, modern political philosophy emphasizes individualism and the rights of man, not citizenship. Hence, the kinship between modern political philosophy and liberalism. Yet certain modern political philosophers are identified with republicanism (Machiavelli and Montesquieu) and others are identified with emphasizing moral concerns (Kant) as well as with the thesis that man is a social animal (Hegel, Tocqueville). Finally, while most of the writers can be identified with liberalism, some reject it, in the name either of true community (Marx) or true individualism (Nietzsche). We are interested in understanding the various treatments of individual and community within modern political philosophy, as well as the difference between the modern emphasis on community and Aristotle's. Mr. Dry

PS 326 SOVIET FOREIGN POLICY New Course

This course will attempt to discern a pattern in Soviet foreign policy from the early Bolshevik regime to the present. Emphasis will be on the conflict between defending Soviet national interest and security and promoting revolution in the world system. The course will consider the Soviet strategy toward the West and the Third World, the relationship between the USSR and foreign revolutionary movements and communist parties, and the domestic determinants of Soviet policy (state/party/military structure, elite conflict, ideology, public opinion). Mr. Shryock

PS 401 SEMINAR ON POLITICAL PHILOSOPHY: MARXISM — New Title and Description

This course will focus on the major political controversies within the Western Marxian tradition. Analysis of the theoretical legacy of Marx/Engels will be followed by a survey of the debates within the Socialist and Communist Internationals as to the nature of capitalism and imperialism, the role of the state, the conflict between reform and revolution, the linkage between class consciousness and party organization, and the process of socialist transition. The writings of such major figures as Marx, Lenin, Trotsky, Bukharin, Luxemburg, Bernstein, Gramsci and Lukacs will serve as the major reading for the course. Mr. Shryock

PS 406 SEMINAR IN COMPARATIVE POLITICS: WEST EUROPE — New Description

Recent economic and social changes have challenged the stability -- and possibly the survival -- of representative democracies in Western Europe. The seminar takes an in-depth look at the impact of this "post-industrial" environment on the politics and public policies of these nation-states. Topics will include the transformation of their traditional political cultures, changes in their party systems, the advent of new social movements, the crisis of the welfare state, and the perspective of their "successor generations" on the Atlantic Alliance and the European Economic Community. (PS 225 or permission.) Mr. Meyers

PS 416 SEMINAR IN INTERNATIONAL RELATIONS: INTERNATIONAL SECURITY — New Description

This seminar will consider various issues in nuclear deterrence and international security, including the history of U.S. nuclear strategy, deterrence theory, arms control policy, the nuclear winter thesis, and the Strategic Defense Initiative. (Permission.) Mr. Rueter

RELIGION

(RE 292 PSYCHOLOGY AND RELIGION)

(RE 301 MODERN VIEWS OF GOD AND RELIGIOUS LIFE: THE NINETEENTH CENTURY)

RE 312 BUDDHIST AND CHRISTIAN ENLIGHTENMENT — Will Be Offered

A survey of Buddhist Enlightenment and wisdom themes and their possible use in Christian theology. Focus on Madhyamika philosophy of Nagarjadna, early Christian patristics (Gregory of Nyssa), and modern deconstruction theologians. (Permission.) Mr. Keenan

(RE 340 SEMINAR IN THE HISTORY OF RELIGION)

RUSSIAN

*RU 152 RUSSIAN MODERNISM — Addition to Description

Two sections of this course (sections B and C) will fulfill the freshman writing requirement. They will be taught by Mr. Beyer.

RU 704 SENIOR SEMINAR — Mr. Beyer

RUSSIAN AND SOVIET AREA STUDIES PROGRAM

GG 422 SEMINAR IN SOVIET GEOGRAPHY — Will Be Offered
Mr. Liebowitz

SPANISH/ITALIAN

SI 442 LATIN AMERICAN WOMEN WRITERS: EXPANDING THE CANON — New Course

Is there a specifically "feminine" discourse? We will explore the ways in which this and other questions regarding the building and the breaking of traditions are addressed within the specific context of women writing in Latin America. Forms of expression that have long been the quarter of women, such as letters, diaries, storytelling, oral memoir have taken on new meaning in the experiments of the literary "Boom" of the 60's and beyond. Until recently, however, discussion of Latin American literary production has centered on its male writers. In this course, we will underline our reading of contemporary women in a variety of genres and a variety of Latin American countries (Isabel Allende, Ana Lydia Vega, Elena Poniatowska, Rosario Castellanos, among others) with the roots of a rich heritage, including the 17th century Sor Juana Ines de la Cruz. Ms. Netchinsky

THEATRE, DANCE, FILM

TH 406 SPECIAL TOPICS IN THEATRE: CONTEMPORARY WOMEN PLAYWRIGHTS: SEARCHING FOR HISTORY AND ILLUMINATING THE PRESENT — New Course

The course will include readings and discussions of the work of a number of the most interesting and influential American, Canadian and European playwrights of the '70's and '80's. Authors to be explored include Maria Irene Fornes, Caryl Churchill, Pam Gens, Wendy Kesselman, Corinne Jacker and Judith Thompson, among others. The playwrights' concerns range from the domestic to the apocalyptic and their stylistic choices are equally wideranging. In addition to the study of the individual works, the course will also include an overview of the authors' relationship to the culture and to the art form. Ms. Faraone

TH 438 SPECIAL TOPICS IN FILM: SCREENWRITING — New Course

An introductory workshop in which students write scripts for film and television, as well as study theoretical approaches to writing for these media. (TH 130 or permission.) Mr. Hughes

TH 460 SPECIAL TOPICS IN DANCE: EXPERIMENTS IN IMPROVISATION/COLLABORATION — New Course

Open to students with dance, music and visual arts experience, this course will provide a foundation and structure for collaborative creation, refining and performance of work. Films and videotapes, readings and discussion will supplement practical work. Journals and project reports will be assigned to focus and sum up the projects undertaken. (Prerequisites: dancers - TH 161; musicians- MU 205; visual artists - AR 209; or permission of instructor.) Ms. Campbell

FALL TERM 1986 CATALOG SUPPLEMENT

CHEMISTRY

Add to Faculty: Assistant Professor: James Larrabee; Visiting Assistant Professor: Jeffrey Byers

CH 103/105 Fundamentals of Chemistry I — Mr. Sontum

CH 104/106 Fundamentals of Chemistry II — Mr. Larrabee

*CH 170 Chemistry for Citizens — Ms. O'Brien, Mr. Pool, Mr. Larrabee

CH 241/242 Organic Chemistry I — Mr. Byers

CH 242/248 Organic Chemistry II — Mr. Gleason

(CH 341 Organic Chemistry III) — Not Offered in 1986-87

FRESHMAN WRITING / GEOLOGY

GL 101 National Parks — New Course

Geologic principles and processes are illustrated by the volcanoes, glaciers, ground water, rivers and beaches of national parks, national monuments, and national seashores. In addition to papers on the geology of a particular park, there will be papers on the nature and problems of parks. One set of topics for papers is the park service itself--its history, goals and philosophy. A second and parallel set concerns recreation in wilderness areas, tourist demands on natural areas, and pressures to develop mineral resources in these areas. This course is designed to meet the Freshman Writing Requirement. — Mr. Baldwin

MATHEMATICS AND COMPUTER SCIENCE

Add to Faculty: Visiting Lecturers: William LaGasse, Barbara Merz

*MA 103A Introduction to Computers — Ms. Merz

*MA 103B Introduction to Computers — Ms. Merz

MA 112A Mathematical Analysis — New Prerequisite

This section of MA 112 has been reserved for students with no prior introduction to calculus.

POLITICAL SCIENCE

Add to Faculty Information: Michael Kraus (on leave); Visiting Instructor: Richard Shryock

PS 227 Soviet Politics — Mr. Shryock

PS 302 International Conflict Resolution — New Description

A survey of the means proposed and employed in attempts to resolve international conflict: diplomacy, international law, international organization, disarmament, and experimental approaches. Particular emphasis is placed in the legal and moral issues surrounding the use of force. Lecture and discussions. Preference in admission to this course will be given to those students who registered for PS 311 in May. — Mr. Leng

(PS 311 American Foreign Policy) — Not Offered in 1986-87

PS 326 Soviet Foreign Policy — New Course/Offered in Spring

A description of this course will be made available before spring term registration in December. — Mr. Shryock

(PS 328 Comparative Communism) — Not Offered in 1986-87

PS 401 Seminar on Political Philosophy — Offered in Spring

A description of this course will be made available before spring term registration in December. — Mr. Shryock

(PS 408 Seminar on U.S.-Soviet Relations) — Not Offered in 1986-87

PS 414 Seminar in Comparative Politics: Soviet Union and Eastern Europe — Mr. Shryock

FALL TERM 1986 CATALOG SUPPLEMENT

CHEMISTRY

Add to Faculty: Assistant Professor: James Larrabee; Visiting Assistant Professor: Jeffrey Byers

CH 103/105 Fundamentals of Chemistry I — Mr. Sontum

CH 104/106 Fundamentals of Chemistry II — Mr. Larrabee

*CH 170 Chemistry for Citizens — Ms. O'Brien, Mr. Pool, Mr. Larrabee

CH 241/242 Organic Chemistry I — Mr. Byers

CH 242/248 Organic Chemistry II — Mr. Gleason

(CH 341 Organic Chemistry III) — Not Offered in 1986-87

FRESHMAN WRITING / GEOLOGY

GL 101 National Parks — New Course

Geologic principles and processes are illustrated by the volcanoes, glaciers, ground water, rivers and beaches of national parks, national monuments, and national seashores. In addition to papers on the geology of a particular park, there will be papers on the nature and problems of parks. One set of topics for papers is the park service itself--its history, goals and philosophy. A second and parallel set concerns recreation in wilderness areas, tourist demands on natural areas, and pressures to develop mineral resources in these areas. This course is designed to meet the Freshman Writing Requirement. Mr. Baldwin

MATHEMATICS AND COMPUTER SCIENCE

Add to Faculty: Visiting Lecturers: William LaGasse, Barbara Merz

*MA 103A Introduction to Computers — Ms. Merz

*MA 103B Introduction to Computers — Ms. Merz

MA 112A Mathematical Analysis — New Prerequisite

This section of MA 112 has been reserved for students with no prior introduction to calculus.

POLITICAL SCIENCE

Add to Faculty Information: Michael Kraus (on leave); Visiting Instructor: Richard Shryock

PS 227 Soviet Politics — Mr. Shryock

PS 302 International Conflict Resolution — New Description

A survey of the means proposed and employed in attempts to resolve international conflict: diplomacy, international law, international organization, disarmament, and experimental approaches. Particular emphasis is placed in the legal and moral issues surrounding the use of force. Lecture and discussions. Preference in admission to this course will be given to those students who registered for PS 311 in May. Mr. Leng

(PS 311 American Foreign Policy) — Not Offered in 1986-87

PS 326 Soviet Foreign Policy — New Course/Offered in Spring

A description of this course will be made available before spring term registration in December. Mr. Shryock

(PS 328 Comparative Communism) — Not Offered in 1986-87

PS 401 Seminar on Political Philosophy — Offered in Spring

A description of this course will be made available before spring term registration in December. Mr. Shryock

(PS 408 Seminar on U.S.-Soviet Relations) — Not Offered in 1986-87

PS 414 Seminar in Comparative Politics: Soviet Union and Eastern Europe — Mr. Shryock